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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/060,994	02/01/2002	Leland Yi	3545P2425	6598
23504	7590	07/29/2004	EXAMINER	
			PATEL, NITIN	
		ART UNIT		PAPER NUMBER
		2673		
DATE MAILED: 07/29/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/060,994	YI, LELAND	
	<b>Examiner</b>	<b>Art Unit</b>	
	Nitin Patel	2673	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 06 May 2004.

2a) This action is **FINAL**.                    2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-9 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-9 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a) All    b) Some \* c) None of:

1. Certified copies of the priority documents have been received.
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)	4) <input type="checkbox"/> Interview Summary (PTO-413)
2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)	Paper No(s)/Mail Date: _____
3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date: _____	5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)
	6) <input type="checkbox"/> Other: _____

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

2. Claim 1 is rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 1, Applicant recites the limitation a second input part for receiving image data converting the image data into a digital image signal and transmitting the digital image signal, Examiner is unclear about where does it receive image data and what image data is? . Correction required for this limitation.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-9 are rejected under 35 U.S.C. 102(e) as being anticipated by Johnson (U.S. patent no. 6,265,993).

4. As per claim 1, Johnson shows a wired keyboard (In fig.2 element 18) with a web camera (In col.4 lines 20-27) having a keyboard with plurality of input keys (In

fig.1a element 2); a web camera built into the keyboard the web camera is removable coupled (when keyboard is not in use as shown in fig.1b and In col.4 lines 16-25); control circuitry having a first input part for producing a code (in col.5 lines 35-67 to col.6 lines 1-35) corresponding to an input key selected by a user, generating input key data corresponding to said code, and transmitting said input key data;

a second input part for receiving image data (In col.8 lines 35-67), converting said image data into a digital image signal, and transmitting said digital image signal; an integrated processing part for receiving data, wherein said data comprise at least one selected from a group consisting of said input key data and said converted image data, assigning a predetermined identification code to said data, and converting said identification-coded data into a predetermined data format; and a transmitter for transmitting said data converted by said integrated processing part to a terminal device(in col.9 lines 64-67 to col.10 lines 1-10).

As per claim 2, Johnson shows wired keyboard as stated in claim 1, wherein said second input part can be separated from said wired keyboard (In Fig.1b).

As per claim 3, Johnson shows wired keyboard wherein said first input part comprises, in combination: an input key signal generator for producing said code corresponding to an input key selected by said user; and an input key data generator for producing said input key data corresponding to said code (In fig.4 and In col.5 lines 35-67).

As per claim 4, Johnson shows the wired keyboard wherein said second input part comprises, in combination: an image receiver for receiving said image data; and an

image converter for converting and transmitting said image data into said digital image data (In fig.4 and In col.8 lines 40-55).

As per claim 5, Johnson show the wired keyboard wherein the image receiver includes a lens, which can be controlled in an up, down, right and left direction (As shown In Fig.2 and 3 that camera is movable).

As per claim 6, Johnson shows the wired keyboard wherein the first input part further comprises a first memory for storing a predetermined amount of said input key data for a predetermined time period (in col.8 lines 45-60).

As per claim 7, Johnson shows the wired keyboard wherein said second input part further comprises a second memory for storing a predetermined amount of said image data converted by said integrated processing part for a predetermined time (In col.8 lines 39-47).

As per claim 8, Johnson shows a Johnson shows a wired keyboard (In fig.2 element 18) with a web camera (In col.4 lines 20-27) having a keyboard with plurality of input keys (In fig.1aelement 2); a web camera built into the keyboard the web camera is removable coupled (when keyboard in not in use as shown in fig.1b and In col.4 lines 16-25); control circuitry having an input key signal generator for producing and transmitting a predetermined data code corresponding to an input key selected by said user, wherein said input key signal generator includes a device generating said predetermined code data corresponding to each input key (In col.6 lines 9-40); and an input key data generator for producing an input key data corresponding to said data code, wherein said input key signal generator transmits said data code through at least

one route and said input key data generator can discriminate a valid data code from an invalid data code (In col.9 lines 10-40 by comparing and normalization of an image using ROM memory for comparison).

As per claim 9, Johnson shows integrated processing part of a wired keyboard including an input key part and a web camera part (in fig.1a) having a receiver for receiving data, wherein said data comprise at least one selected from a group consisting of input key data inputted from said input key part and image data inputted from said web camera part (in col.2 lines 1-25 and In col.8 lines 40-55); an identification code generator for producing and assigning a predetermined identification code to said received data (In col.6 lines 10-18); and a converter for converting and transmitting said identification-coded data into a predetermined data format (In col.8 lines 53-60).

#### ***Response to Arguments***

5. Applicant's arguments with respect to claims 1-9 have been considered but are moot in view of the new ground(s) of rejection.

#### ***Conclusion***

6. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any

extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Nitin Patel whose telephone number is 703-308-7024. The examiner can normally be reached on 8:00-5:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Bipin H Shalwala can be reached on 703-305-4938. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

NP  
July 26, 2004

  
Amare Mengistu  
Primary Examiner